

No. _____

Smithsonian Institution,

Washington, D. C. June 25th 1858

Prof Gray Dear Sir - Prof
see Henry has just forwarded
to you for inspection a couple
of articles of mine on distillation
or at least I must say that
the larger one was not origi-
nally written for publication
but as an explanation of the
small forest map, to be used
by Prof Henry in preparing his
meteo-logical article. If
published I will leave out
some of the descriptions on
specimens that are irrelevant
to the subject

I have omitted accidentally
in the list of authorities your
articles in the Journal of
1856 - You Statistics of Maryland
Ms. because I could not
get hold of the volumes at
the time I wished to consult
them. There will be some
alterations and special ref-
erences in the list and in the
description, to be made from
those articles when I have
the Ms. back again -
I should be much obliged
to you for reference to the
books on the subject, which
I have not met with if not
too much trouble, and also
for the services rendered.

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Prof. Dana requested Mr
David Rubin in Baltimore
to prepare an article on the
Natural Zoological Regions
etc for the Journal. The
latter has asked me to do
this, my attention having
been much directed to the
subject both in connection
with forests, trees, and
animals. I may remark
that the divisions marked
on the charts sent to you
are those which I have
been induced to adopt
and if desirable I will pre-
pare an article describing

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them with lists of animals
etc made in the same style
as those of the forest trees.
The plan generally meets
Prof. Berndt's approbation &
I think we can together el-
aborate it quite fully. &
You will remark that I have
included in the catalogue
some plants not truly trees
but representatives of other
species which are so. I have
also left out nearly all shrubs
under 20 ft. height, the list
being quite large enough with-
out them. Though of course trees
do not form a natural series
alone, they represent, I think
pretty well, the vegetation
of Regions where they grow. ^{Respectfully} J. Cooper